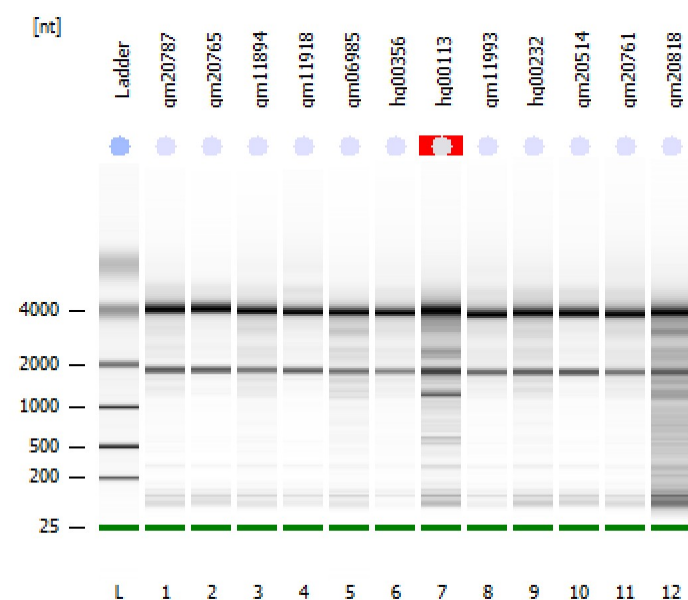


Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-17_16-30-59.xad

Created: 10/17/2011 4:30:59 PM
Modified: 10/17/2011 4:54:23 PM

Electrophoresis File Run SummaryInstrument Information:

Instrument Name: DE04105537
Serial#: DE04105537

Firmware: C.01.069
Type: G2938C

Assay Information:

Assay Origin Path: C:\Program Files\Agilent\2100 bioanalyzer\2100 expert\assays\RNA\Eukaryote Total RNA Nano Series II.xsy

Assay Class: Eukaryote Total RNA Nano

Version: 2.6

Assay Comments: Total RNA Analysis ng sensitivity (Eukaryote)

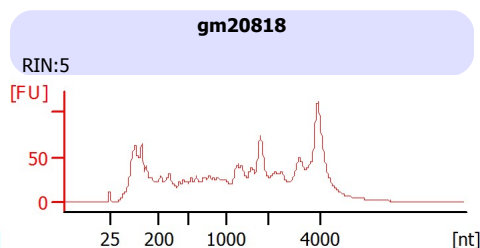
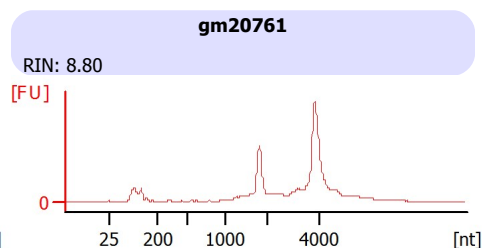
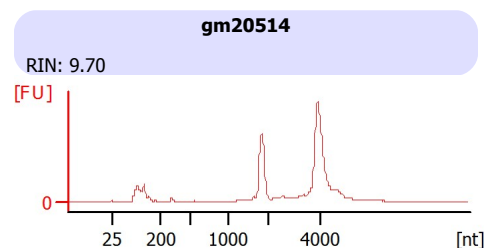
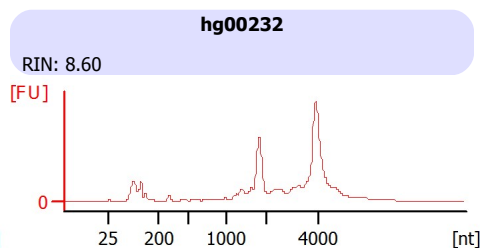
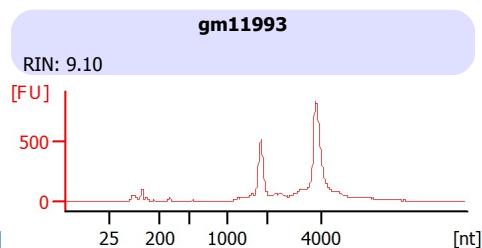
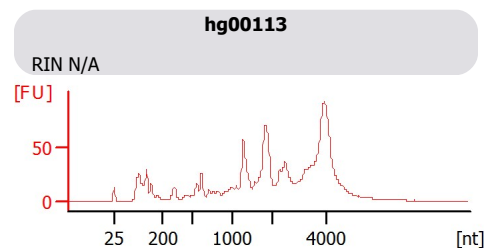
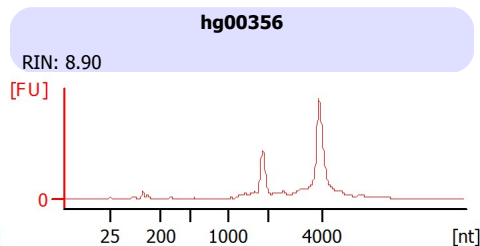
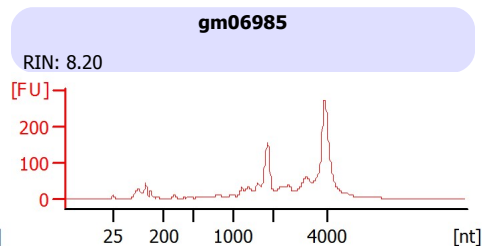
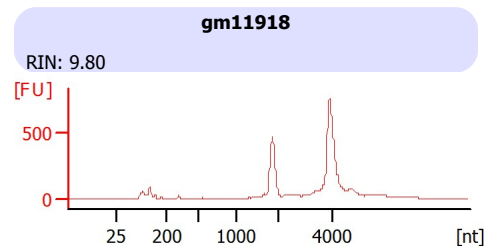
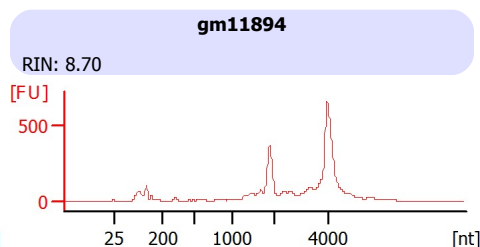
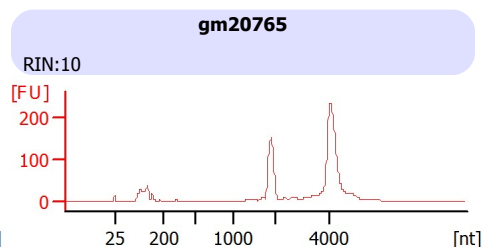
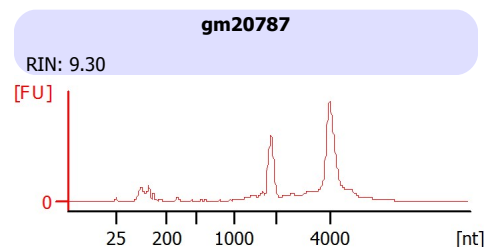
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Chip Information:

Chip Lot #:

Reagent Kit Lot #:

Chip Comments:



Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-17_16-30-59.xad

Created: 10/17/2011 4:30:59 PM
Modified: 10/17/2011 4:54:23 PM

Electrophoresis File Run Summary (Chip Summary)

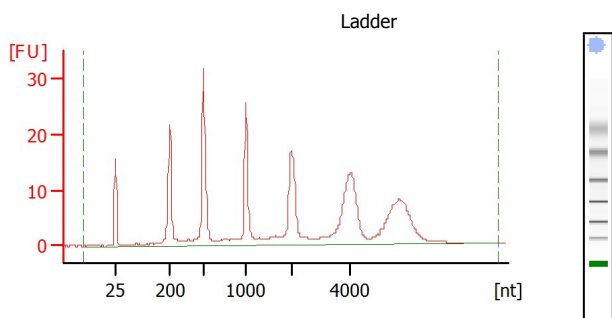
Sample Name	Sample Comment	Stat	Result Label	Result Color
		us		
gm20787		✓	RIN: 9.30	
gm20765		✓	RIN:10	
gm11894		✓	RIN: 8.70	
gm11918		✓	RIN: 9.80	
gm06985		✓	RIN: 8.20	
hg00356		✓	RIN: 8.90	
hg00113		✓	RIN N/A	
gm11993		✓	RIN: 9.10	
hg00232		✓	RIN: 8.60	
gm20514		✓	RIN: 9.70	
gm20761		✓	RIN: 8.80	
gm20818		✓	RIN:5	
Ladder		✓	All Other Samples	

Chip Lot #**Reagent Kit Lot #****Chip Comments :**

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-17_16-30-59.xad

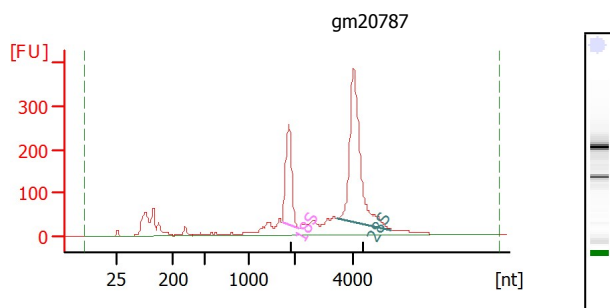
Created: 10/17/2011 4:30:59 PM
 Modified: 10/17/2011 4:54:23 PM

Electropherogram Summary



Overall Results for Ladder

RNA Area: 286.4
 RNA Concentration: 150 ng/μl
 Result Flagging Color:
 Result Flagging Label: All Other Samples

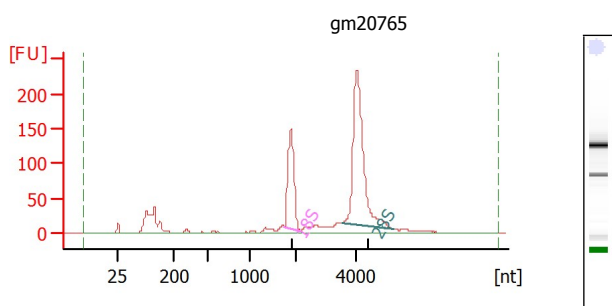


Overall Results for sample 1 : gm20787

RNA Area: 2,995.7
 RNA Concentration: 1,569 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 9.3 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.30

Fragment table for sample 1 : gm20787

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,734	2,144	448.4	15.0
28S	3,457	5,279	975.7	32.6

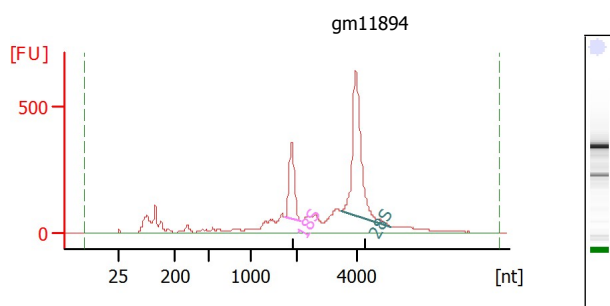


Overall Results for sample 2 : gm20765

RNA Area: 1,432.8
 RNA Concentration: 750 ng/μl
 rRNA Ratio [28s / 18s]: 2.2
 RNA Integrity Number (RIN): 10 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN:10

Fragment table for sample 2 : gm20765

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,740	2,134	276.0	19.3
28S	3,506	5,285	600.0	41.9



Overall Results for sample 3 : gm11894

RNA Area: 4,802.4
 RNA Concentration: 2,515 ng/μl
 rRNA Ratio [28s / 18s]: 2.6
 RNA Integrity Number (RIN): 8.7 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.70

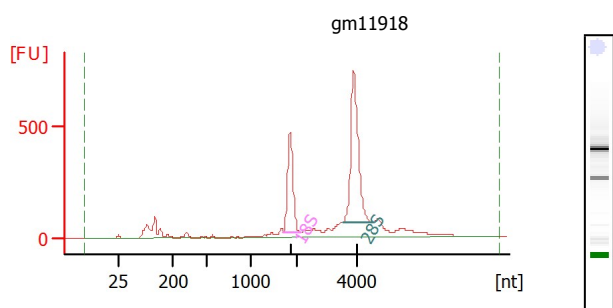
Fragment table for sample 3 : gm11894

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,731	2,092	518.2	10.8
28S	3,436	5,117	1,328.6	27.7

Assay Class: Eukaryote Total RNA Nano
 Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-17_16-30-59.xad

Created: 10/17/2011 4:30:59 PM
 Modified: 10/17/2011 4:54:23 PM

Electropherogram Summary Continued ...

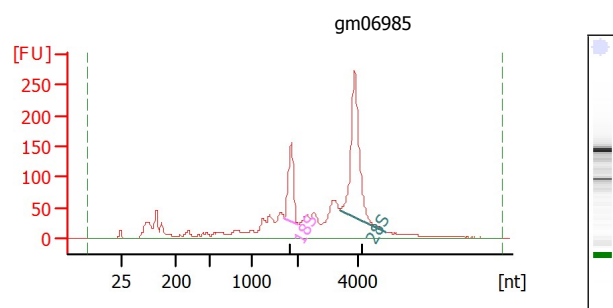


Overall Results for sample 4 : gm11918

RNA Area: 4,222.9
 RNA Concentration: 2,212 ng/μl
 rRNA Ratio [28s / 18s]: 1.7
 RNA Integrity Number (RIN): 9.8 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 9.80

Fragment table for sample 4 : gm11918

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,711	2,119	785.0	18.6
28S	3,536	4,547	1,369.1	32.4

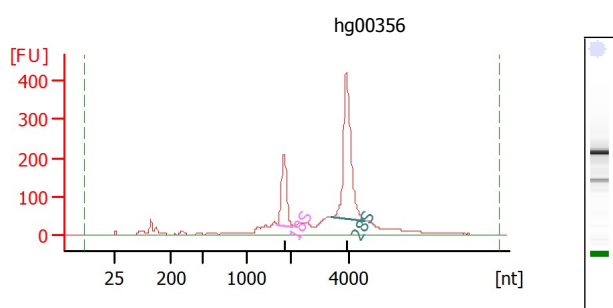


Overall Results for sample 5 : gm06985

RNA Area: 2,254.6
 RNA Concentration: 1,181 ng/μl
 rRNA Ratio [28s / 18s]: 2.4
 RNA Integrity Number (RIN): 8.2 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.20

Fragment table for sample 5 : gm06985

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,699	2,004	211.7	9.4
28S	3,413	4,949	517.7	23.0

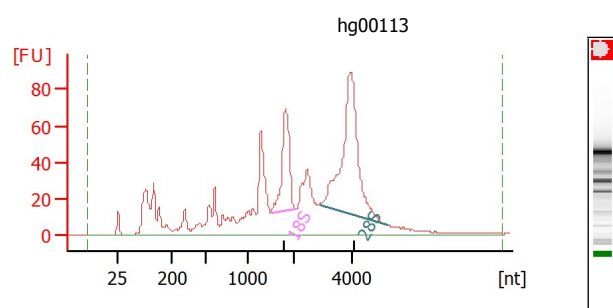


Overall Results for sample 6 : hg00356

RNA Area: 2,486.2
 RNA Concentration: 1,302 ng/μl
 rRNA Ratio [28s / 18s]: 2.6
 RNA Integrity Number (RIN): 8.9 (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN: 8.90

Fragment table for sample 6 : hg00356

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,700	2,082	300.8	12.1
28S	3,379	4,518	768.5	30.9



Overall Results for sample 7 : hg00113

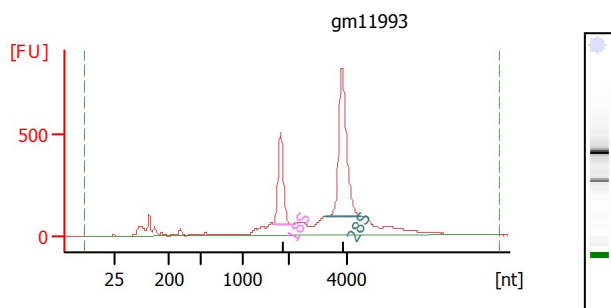
RNA Area: 1,451.3
 RNA Concentration: 760 ng/μl
 rRNA Ratio [28s / 18s]: 2.5
 RNA Integrity Number (RIN): N/A (B.02.08)
 Result Flagging Color:
 Result Flagging Label: RIN N/A

Fragment table for sample 7 : hg00113

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,512	2,124	135.7	9.3
28S	2,880	5,207	333.5	23.0

Assay Class: Eukaryote Total RNA Nano
Data Path: C:\...Eukaryote Total RNA Nano_DE04105537_2011-10-17_16-30-59.xad

Created: 10/17/2011 4:30:59 PM
Modified: 10/17/2011 4:54:23 PM

Electropherogram Summary Continued ...**Overall Results for sample 8 : gm11993**

RNA Area: 5,594.1
RNA Concentration: 2,930 ng/μl
rRNA Ratio [28s / 18s]: 2.0
RNA Integrity Number (RIN): 9.1 (B.02.08)
Result Flagging Color:
Result Flagging Label: RIN: 9.10

Fragment table for sample 8 : gm11993

Name	Start Size [nt]	End Size [nt]	Area	% of total Area
18S	1,677	2,078	781.8	14.0
28S	3,269	4,444	1,578.6	28.2